

204842US8

"RESPONSE UNDER 37 CFR 1.116-  
EXPEDITED PROCEDURE EXAMINING  
GROUP 2828"

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :  
Shinya NAGAMATSU, et al. : EXAMINER: LEUNG, Q.  
SERIAL NO.: 09/809,074 :  
FILED: March 16, 2001 : GROUP ART UNIT: 2828  
FOR: LIGHT SOURCE COMPRISING :  
LASER DIODE MODULE :

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(15)  
RECEIVED  
APR 15 2003  
TECHNOLOGY CENTER 2800  
6-27-03

AMENDMENT AFTER FINAL UNDER 37 CFR § 1.116

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

In response to the Official Action dated January 15, 2003, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend Claims 3 and 7 as follows:

3. (Twice Amended) An optical transmission system comprising a light source configured to produce an optical signal, said light source comprising:  
at least one laser diode module including a metal substrate mounting a laser diode chip and an optical component, and a peltier device thermally connected with said metal substrate;

a heat pipe having a heat absorbing portion and a heat radiating portion, said heat absorbing portion of said heat pipe being thermally connected with said peltier device; and

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Docket No. 204842US8  
IN RE APPLICATION OF: Shinya NAGAMATSU, et al.  
SERIAL NO: 09/809,074  
FILED: March 16, 2001  
FOR: LIGHT SOURCE COMPRISING LASER DIODE MODULE

"RESPONSE UNDER 37 CFR 1.116-  
EXPEDITED PROCEDURE EXAMINING  
GROUP Q828"

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:  
Transmitted herewith is an **Amendment After Final under 37 C.F.R. § 1.116** in the above-identified application.

- ☐ No additional fee is required  
☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.  
☒ Additional documents filed herewith: Marked-up Copy of Amendment

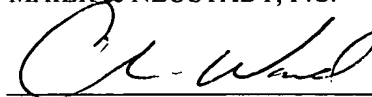
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The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	21	MINUS	25	0	x \$18 =	\$0.00
INDEPENDENT	11	MINUS	9	2	x \$84 =	\$168.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$168.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$168.00

- ☒ A check in the amount of **\$168.00** is attached.
- ☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- ☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

OBLON, SPIVAK, McCLELLAND,  
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